Standard Notes

GitHub Issue#2399

Introduction

The goal of this document is to describe a procedure to build a fresh Manjaro Linux 22.0.5 with KDE desktop environment virtual machine that will be used for testing the <u>GitHub issue #2399</u>. I picked Manjaro for its ease of use and I can reliably reproduce the issue on this distribution.

Some of the information documented here may seems obvious, but the idea is to be able to reliably reproduce the problem and help troubleshooting it. From my extensive testing, the bug can be hard to trigger as the results vary from a Linux distribution to an other and from a desktop environment to an other.

I'll try to document every single step to help anyone who would like to try to reproduce this issue.

Host Configuration

Some background information about the machine that is hosting the Manjaro virtual machine:

- Hypvervisor:
 - KVM / Libvirt 8.9.0-r2
 - Qemu: 7.2.0
 - Hypervisor Front-end: Virtual Machine Manager v4.1.0
- Hardware:

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- CPU: Intel i7-9700K
- RAM: 32Gb
- UEFI
- Distribution:
 - Gentoo Linux
 - Kernel 6.2.10

Preparation

- Download ISO file

 <u>https://download.manjaro.org/kde/22.0.5/manjaro-kde-22.0.5-230316-linux61.iso</u>
 - Create a new virtual machine with the following properties:

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- A fresh virtual machine is created in the the Virtual Machine Manager with the following properties:
 - Architecture: x86_64
 - Memory: 8Gb
 - CPU: 4
 - Disk: Create a new 50Gb image (qcow2)
 - Customize the virtual machine before starting the installation.
 - Chipset: Q35
 - Firmware: BIOS

Manjaro Installation

- Start the the virtual machine to begin the installation
- On the "Manjaro Hello" welcome screen, select "Launch Installer"

61	Manjaro Hello Sikaris 22.0.5	① ~ ^ ×		
V	Velcome to Manjaro!			
Thank you for joining our community!				
We, the Manjaro Developers, hope that y you get started with your new operating s	ou will enjoy using Manjaro as much as we en ystem. So enjoy the experience, and don't he	njoy building it. The links below will help sitate to send us your feedback.		
DOCUMENTATION	SUPPORT	PROJECT		
		Get involved		
Read me	Forums 🕑	Get involved		
Read me Release info	Forums 🕫	Get involved		
Read me Release info Wiki 🗗	Forums 🖻	Get involved Development @ Donate @		
Read me Release info Wiki 🗗	Forums @ Software @ Mailing lists @ INSTALLATION	Get involved Development @ Donate @		

- Keep the default language (American English)
- Keep the default timezone (America, New York)
- Keyboard: select your preferred layout (English US in my case)
- Disk Partitioning:
 - keep the default settings (erase disk).
 - Keep the other settings to their default.
- Provide details to create a new user.

https://github.com/standardnotes/forum/issues/2399

£ *		Manjaro Linux Installer		~ ^ X
📊 manjaro	What is your name?			
Location	What name do you want to use to	o log in?		
Keyboard		0		
Partitions	What is the name of this compute hostname	er?		
Users	Choose a password to keep your	account safe.		
Summary	Log in automatically without	asking for the password.		
Install	Use the same password for the choose a password for the administration of the same choose and the same choose choose and the same choose	he administrator account. histrator account.		
Finish	••••••	••••••		
			<pre> Back > Next</pre>	⊘ Cancel

Review settings before starting the installation

£ *	Manjaro Linux Installer	~ ^ X
m aniaro	This is an overview of what will happen once you start the install procedure.	
	Location	
Location	Set timezone to America/New_York.	
Keyboard	The system language will be set to American English (United States). The numbers and dates locale will be set to American English (United States).	
Partitions	Keyboard	
Users	Set keyboard model to Generic 105-key PC. Set keyboard layout to English (US)/Default.	
Summary	Partitions	
Install	Erase disk /dev/vda (vda) and install Manjaro 22.0.5.	
Finish	Current:	
Finish	Unpartitioned space or unknown partition table 50.00 GiB	
	After:	
	Manjaro 50.00 GiB ext4	
	Sack 💿 Install	○ Cancel

• Reboot.

System Update

- Login for the first time and install all available updates before continuing.
- Open a terminal (Konsole, the default for KDE).
- Install the updates Swtich to root user: sudo pacman -Syu
- Reboot

Start Standard Notes

- Obtain the latest AppImage.
- Make the AppImage executable.
- Start the application. The main window will be displayed.
- Go to the "View" menu to "Zoom-out".
- Close the application.
- Try to start the application again.
 - In my tests, I may need to retry one time or two before the issue appears.
 - Sometimes the application will be displayed normally on the first attempt, but will eventually fail.
- If the main application window is not displayed, verify that the AppImage is mounted.

🔳 🗖 🖉 mount grep standard-notes 🛛 🗸 🖓
standard-notes-3.150.50-linux-x86_64.AppImage on /tmp/.mount_standaJxkFID type fuse.standard-notes-3.150.50-linux-x86_64.AppImage (ro,nosuid,nodev,relatime,
user_id=1000,group_id=1000)

 In the same terminal, start the AppImage manually and the main window should be displayed now.

<pre>mount grep standard-no standard-notes-3.150.50-linux-x86_6 user_id=1000,group_id=1000) ./Downloads/standard-not</pre>	tes 4.AppImage on /tmp/. es-3.150.50-linux-x8	<pre>mount_standaJxkFID 6_64.AppImage</pre>	type fuse.standard-notes-3.150.50-linux-x86_	64.AppImage (ro,nosuid,nodev,rel
(standard-notes:2306): Gtk-WARNING	**: 12:40:34.853: Th		gtk.css:1649:16: '-gtk-icon-size' is not a v	
(standard-notes:2306): Gtk-WARNING ⇒ Quiting app and focusing existing in	**: 12:40:34.853 : Th nstance.	eme parsing error:	gtk.css:1652:16: '-gtk-icon-size' is not a v	alid property name
	=			- _{""} ×
	🗏 🗐 Notes	(F) 🕂	< Wednesday, Apr 12, 2023 at 12:37 PM	 (₽) (₽) (₽)
	Q Search		Link tags, notes, mes	
	Account	×	1	
	V/ #li=- Ci=- i=	L		-

- Close the application Window.
- Start the application manually again. It shows startup messages, but the application window does not show up

I/Downloads/standard-notes-3.150.50-linux-x86_64.AppImage
(standard-notes:2407): Gtk-WARNING **: 12:41:27.211: Theme parsing error: gtk.css:1649:16: '-gtk-icon-size' is not a valid property name
<pre>(standard-notes:2407): Gtk-WARNING **: 12:41:27.211: Theme parsing error: gtk.css:1652:16: '-gtk-icon-size' is not a valid property name libva error: vaGetDriverNameByIndex() failed with unknown libva error, driver_name = (null) [2466:0412/124127.505632:ERROR:viz_main_impl.cc(186)] Exiting GPU process due to errors during initialization 12:41:27.554 > Checking for update extServer: Server started at http://127.0.0.1:45653 libva error: vaGetDriverNameByIndex() failed with unknown libva error, driver_name = (null) [2494:0412/124127.6809998:ERROR:viz_main_impl.cc(186)] Exiting GPU process due to errors during initialization libva error: vaGetDriverNameByIndex() failed with unknown libva error, driver_name = (null) [2494:0412/124127.680998:ERROR:viz_main_impl.cc(186)] Exiting GPU process due to errors during initialization libva error: vaGetDriverNameByIndex() failed with unknown libva error, driver_name = (null) [2528:0412/124127.864267:ERROR:gpu_memory_buffer_support_x11.cc(44)] dri3 extension not supported. 12:41:28.417 > Update for version 3.150.50 is not available (latest version: 3.150.49, downgrade is disallowed). ^XQes5</pre>

- Open a new terminal and start the application again. The main application window is displayed.
- Reset the zoom to the default value (View \rightarrow Actual Size).
- Close the application.
- Start the application again. This time it should be displayed immediately.
- You can repeat the steps to change the zoom level and the application window will eventually stop being displayed on the first attempt.
- For me, the problem happens when the zoom level is not set to the default value (zoomFactor = 1)
- Note that in some cases the main window can be displayed right after changing the zoom level (zoom out or zoom in). I cannot reliably predict this behavior. However, restarting the application will eventually trigger the problem.

End of the Document